

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/520, 696A
Source: IFWP
Date Processed by STIC: 07/05/2006

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/520,696A

DATE: 07/05/2006

TIME: 14:14:49

Input Set : A:\u0155758.txt
 Output Set: N:\CRF4\07052006\J520696A.raw

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3 <110> APPLICANT: MUNOZ PEREZ, Francisco Jose
4      RODRIGUEZ LOPEZ, Milagros
5      BAROJA FERNANDEZ, Miren Edurne
6      POZUETA ROMERO, Francisco Javier
7      MITSUI, Toshiaki
8      NANJO, Yohei
10 <120> TITLE OF INVENTION: PLANT NUCLEOTIDE SUGAR PYROPHOSPHATASE/PHOSPHODIESTERASE
11      (NPPASE), METHOD OF PRODUCTION, USE IN THE MANUFACTURE OF TESTING
12      DEVICES AND IN THE PRODUCTION OF TRANSGENIC PLANTS
14 <130> FILE REFERENCE: U015575-8
16 <140> CURRENT APPLICATION NUMBER: 10/520696A
17 <141> CURRENT FILING DATE: 2005-01-06
19 <150> PRIOR APPLICATION NUMBER: PCT/ES03/000363
20 <151> PRIOR FILING DATE: 2003-07-15
22 <160> NUMBER OF SEQ ID NOS: 24
24 <170> SOFTWARE: PatentIn version 3.3
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 15
28 <212> TYPE: PRT
29 <213> ORGANISM: HORDEUM VULGARE CV. SCARLETT
32 <220> FEATURE:
33 <221> NAME/KEY: misc_feature
34 <223> OTHER INFORMATION: N-terminal end of soluble NPPase
36 <400> SEQUENCE: 1
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39 1           5           10          15
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 11
44 <212> TYPE: PRT
45 <213> ORGANISM: HORDEUM VULGARE CV. SCARLETT
48 <220> FEATURE:
49 <221> NAME/KEY: misc_feature
50 <223> OTHER INFORMATION: Tryptic sequence of soluble NPPase
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53 <221> NAME/KEY: MISC_FEATURE
54 <222> LOCATION: (6)..(6)
55 <223> OTHER INFORMATION: Xaa can be Gln or Lys
57 <220> FEATURE:
58 <221> NAME/KEY: MISC_FEATURE
59 <222> LOCATION: (9)..(9)
60 <223> OTHER INFORMATION: Xaa can be Leu or Ile
62 <220> FEATURE:
63 <221> NAME/KEY: MISC_FEATURE

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64 <222> LOCATION: (10)..(10)
65 <223> OTHER INFORMATION: Xaa can be Lys or Gln
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W--> 69 Ala Ser Tyr Pro Gly Xaa Thr Ser Xaa Xaa Arg
70 1 5 10
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75 <212> TYPE: PRT
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80 <221> NAME/KEY: misc_feature
81 <223> OTHER INFORMATION: Tryptic sequence of soluble NPPase
83 <220> FEATURE:
84 <221> NAME/KEY: MISC_FEATURE
85 <222> LOCATION: (9)..(9)
86 <223> OTHER INFORMATION: Xaa can be Met or Phe
88 <400> SEQUENCE: 3
W--> 90 His Ala Pro Ala Asp Thr Val Thr Xaa Gly Arg
91 1 5 10
94 <210> SEQ ID NO: 4
95 <211> LENGTH: 5
96 <212> TYPE: PRT
97 <213> ORGANISM: HORDEUM VULGARE CV. SCARLETT
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101 <221> NAME/KEY: misc_feature
102 <223> OTHER INFORMATION: Tryptic sequence of soluble NPPase
104 <400> SEQUENCE: 4
106 Ala Pro Pro Tyr Pro
107 1 5
110 <210> SEQ ID NO: 5
111 <211> LENGTH: 8
112 <212> TYPE: PRT
113 <213> ORGANISM: HORDEUM VULGARE CV. SCARLETT
116 <220> FEATURE:
117 <221> NAME/KEY: misc_feature
118 <223> OTHER INFORMATION: Tryptic sequence of soluble NPPase
120 <400> SEQUENCE: 5
122 Ala Trp Val Thr Val Glu Phe Lys
123 1 5
126 <210> SEQ ID NO: 6
127 <211> LENGTH: 8
128 <212> TYPE: PRT
129 <213> ORGANISM: HORDEUM VULGARE CV. SCARLETT
132 <220> FEATURE:
133 <221> NAME/KEY: MISC_FEATURE
134 <223> OTHER INFORMATION: Tryptic sequence of soluble NPPase
136 <220> FEATURE:
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138 <222> LOCATION: (1)..(1)

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144 <223> OTHER INFORMATION: Xaa can be Ile or Leu
146 <220> FEATURE:
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148 <222> LOCATION: (6)..(6)
149 <223> OTHER INFORMATION: Xaa can be Ile or Leu
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159 <212> TYPE: PRT
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163 <220> FEATURE:
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165 <223> OTHER INFORMATION: N-terminal end of soluble NPPase
167 <400> SEQUENCE: 7
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170 1 5 10 15
173 <210> SEQ ID NO: 8
174 <211> LENGTH: 23
175 <212> TYPE: PRT
176 <213> ORGANISM: ORYZA SATIVA
179 <220> FEATURE:
180 <221> NAME/KEY: misc_feature
181 <223> OTHER INFORMATION: Tryptic sequence (MS/MS) of soluble NPPase
183 <400> SEQUENCE: 8
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189 Gly Gly Leu Glu Asn Pro Lys
190 20
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194 <211> LENGTH: 11
195 <212> TYPE: PRT
196 <213> ORGANISM: ORYZA SATIVA
199 <220> FEATURE:
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205 Leu Val Ala Val Ser Glu Ala Leu Ser Phe Lys
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210 <211> LENGTH: 10
211 <212> TYPE: PRT
212 <213> ORGANISM: ORYZA SATIVA
215 <220> FEATURE:

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216 <221> NAME/KEY: misc_feature
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222 1 5 10
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226 <211> LENGTH: 10
227 <212> TYPE: PRT
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231 <220> FEATURE:
232 <221> NAME/KEY: misc_feature
233 <223> OTHER INFORMATION: Tryptic sequence (MS/MS) of soluble NPPase
235 <400> SEQUENCE: 11
237 Thr Ala Ala Gly Thr Leu Thr Phe Asn Arg
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242 <211> LENGTH: 11
243 <212> TYPE: PRT
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247 <220> FEATURE:
248 <221> NAME/KEY: misc_feature
249 <223> OTHER INFORMATION: Tryptic sequence (MS/MS) of soluble NPPase
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253 Asp Pro Gly Phe Leu His Thr Ala Phe Leu Arg
254 1 5 10
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259 <212> TYPE: PRT
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263 <220> FEATURE:
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265 <223> OTHER INFORMATION: Tryptic sequence (MS/MS) of soluble NPPase
267 <400> SEQUENCE: 13
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281 <223> OTHER INFORMATION: Tryptic sequence (MS/MS) of soluble NPPase
283 <400> SEQUENCE: 14
285 Ile Ile Val Phe Gly Asp Met Gly Lys
286 1 5
289 <210> SEQ ID NO: 15
290 <211> LENGTH: 12
291 <212> TYPE: PRT
292 <213> ORGANISM: ORYZA SATIVA

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295 <220> FEATURE:
296 <221> NAME/KEY: misc_feature
297 <223> OTHER INFORMATION: Tryptic sequence (MS/MS) of soluble NPPase
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301 Asp Trp Pro Asn Thr Gly Gly Phe Phe Asp Val Lys
302 1 5 10
305 <210> SEQ ID NO: 16
306 <211> LENGTH: 11
307 <212> TYPE: PRT
308 <213> ORGANISM: ORYZA SATIVA
311 <220> FEATURE:
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313 <223> OTHER INFORMATION: Tryptic sequence (MS/MS) of soluble NPPase
315 <400> SEQUENCE: 16
317 Phe Ile Glu Gln Cys Leu Ser Thr Val Asp Arg
318 1 5 10
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322 <211> LENGTH: 9
323 <212> TYPE: PRT
324 <213> ORGANISM: ORYZA SATIVA
327 <220> FEATURE:
328 <221> NAME/KEY: misc_feature
329 <223> OTHER INFORMATION: Tryptic sequence (MS/MS) of soluble NPPase
331 <400> SEQUENCE: 17
333 Val Tyr Asp Ser Phe Tyr Val Glu Arg
334 1 5
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340 <213> ORGANISM: ORYZA SATIVA
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345 <223> OTHER INFORMATION: Primer of the 5' region of NPPase
347 <400> SEQUENCE: 18
348 ggcgttgctc ggcgacca 18
351 <210> SEQ ID NO: 19
352 <211> LENGTH: 19
353 <212> TYPE: DNA
354 <213> ORGANISM: ORYZA SATIVA
357 <220> FEATURE:
358 <221> NAME/KEY: misc_feature
359 <223> OTHER INFORMATION: Primer of the 3' region of NPPase
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362 gagggcgagcg tggtgaaaa 19
365 <210> SEQ ID NO: 20
366 <211> LENGTH: 2186
367 <212> TYPE: DNA
368 <213> ORGANISM: ORYZA SATIVA
371 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 6,8,10
Seq#:3; Xaa Pos. 9 // /
Seq#:6; Xaa Pos. 1,3,6

VERIFICATION SUMMARY

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Input Set : A:\u0155758.txt

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L:69 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0

L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0

L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0